

Waterproofing Materials

Concrete and masonry foundation waterproofing. In areas where a high water table or other severe soil-water conditions are known to exist, exterior foundation walls enclosing habitable or storage space shall be waterproofed with a membrane extending from the top of the footing to the finished grade. The membrane shall consist of 2-ply hot-mopped felts, 55 pound roll roofing, 6-mil polyvinyl chloride, 6-mil polyethylene or 40-mil polymer-modified asphalt. The joints in the membrane shall be lapped and sealed with an adhesive compatible with the waterproofing membrane.

Uniform Statewide Building Code (USBC) Section 112 Approval of materials and equipment.

112.1. Performance: Where practical, under § 36-99 of the Code of Virginia, provisions of the USBC have been stated in terms or required level of performance, to facilitate the prompt acceptance of new building materials and methods. The provisions of the USBC are not intended to prohibit the use of any material or method of construction not specifically prescribed by the USBC, provided any such alternative has been approved. An alternative material or method of construction shall be approved when the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of the USB, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed by the USBC in quality, strength, effectiveness, fireresistance, durability and safety.

112.2. Basis and approval of materials: The building code official shall require that sufficient technical data be submitted to substantiate the proposed use of any material, equipment, device or assembly. If it is determined that the evidence submitted is satisfactory proof of performance for the use intended, the code official may approve its use subject to the requirements of the USBC. In determining whether any material, equipment, device or assembly complies with the USBC, the code official shall approve item listed by nationally recognized independent testing laboratories or may consider the recommendations of architects and engineers licensed in this Commonwealth.

See the following web site, <http://www.bocai.org/> for a list of companies whose products have been tested and approved. Other products may also be used as long as they have been tested and approved by a recognized testing agency.